

## **Investigation of the effect of bivalent metal ions and EDTA on the activity and dielectric properties of deoxyribonuclease of *Bacillus amylozyma* and *Serratia marcescens***

Sedykh N., Belyayeva M., Leshchinskaya I.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

1. (1) Increase and reduction in the activity of deoxyribonucleases of *B. amylozyma* and *Serratia marcescens* under the influence of the ions  $Mg^{++}$ ,  $Mn^{++}$   $Ca^{++}$  and EDTA correlate with the increase and reduction in the asymmetry of the macromolecules of the enzymes. 2. (2) The activity of the deoxyribonucleases studied was influenced by the configuration of the molecules in solution. © 1968.

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